

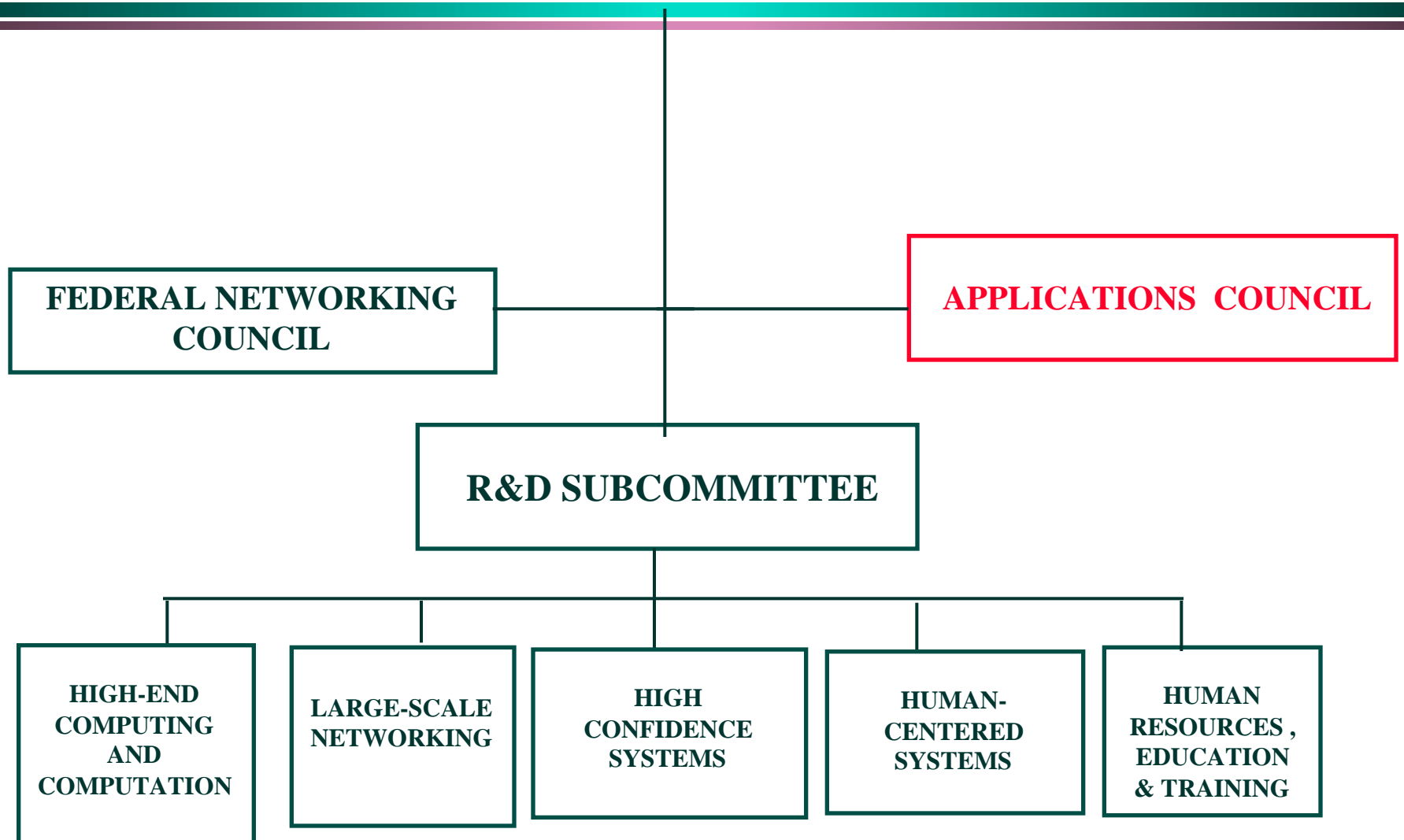
CCIC: Applications Council

Briefing to
Presidential Advisory Committee on HPCC/IT/NGI
February 27, 1997

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COMMITTEE ON COMPUTING, INFORMATION, & COMMUNICATIONS R&D



CIC Applications Council: Purpose

- Act as a bridge to non-R&D agency functions
- Promote early application of advanced CIC technologies and R&D capabilities to critical government missions
- Work with broader NSTC to accelerate transition process within and beyond federal government
- Encourage multi-agency pilot projects to assess critical CIC technologies needed by applications
- Support administration goals to identify and reduce applications barriers in the international arena

Applications Council Update

- Adopted charter
- Co-Chair search extended
- Sponsoring Workshop on “R&D Opportunities in Federal Information Services” this Winter/Spring
- Formed a Working Group on Next Generation Internet
- Reviewing Crisis Management for potential pilot
 - » CSTB Report “Computing and Communications in the Extreme”
- Conducting briefings/ reviews in other areas:
 - » Health
 - » Transportation
 - » International Information Technology
 - » Education

Cross-cutting R&D Issue

- Information Services (IS) - disconnected from information technology (IT) R&D
 - » cultural, educational and technological
 - » federal/ industrial information service managers come from management/business school backgrounds
 - » slow to implement new technologies in this “factory” culture
- Large federal IS procurements have insufficient interaction across government or with R&D community
- The gap between the industrial IS segment and the R&D performers, is of growing concern to vendors, users and R&D performers

Federal Information Technology Reform

- Information Technology Management Reform Act - 1996
 - » Replaces Brooks Act-delegates procurement authority to agencies
 - » Requires CIO planning apparatus
 - » Authorizes pilot programs conducted by OMB
 - Not more than 2 pilot programs per year
 - Total obligations over 5 years may not exceed \$750 Million
- OMB Director: information services of agencies need innovation
 - » “... use fully tested pilots, simulations, or prototype implementations...”
- Opportunity for R&D programs to try and bridge gap

Federal Information Technology Executive Order

- CIO Council
 - » Government Information Resources Board,
 - » Government Information Technology Services (GITS) Board
- GITS (Chaired by Jim Flyzik, Treasury)
 - » “Access America”
 - Recommendation to work with Applications Council
 - Named an R&D member
- Information Technology Innovation Fund
 - » Multi-agency review of innovative proposals from federal agencies -- \$5.5 M -11.5 Million in FY ‘95-‘96

Workshop R&D Opportunities in Federal Information Services

- Supported by NSF, NIH and GITS Board

- Organizing group:

Co- Chairs:

Herb Schorr: ISI/USC,

Sal Stolfo, Columbia,

- » Alan Blatecky, MCNC; Eliot Christian, USGS;
- » Colin Crook, Citicorp; Ed Fox, U. VA;
- » Joseph Hardin, NCSA; Jean Mayhew, United Technologies;
- » Connie McLindon, CNRI; Robert Musser, Private Sector Council;
- » Stephen Squires, DARPA; Tom Kalil, NEC, White House

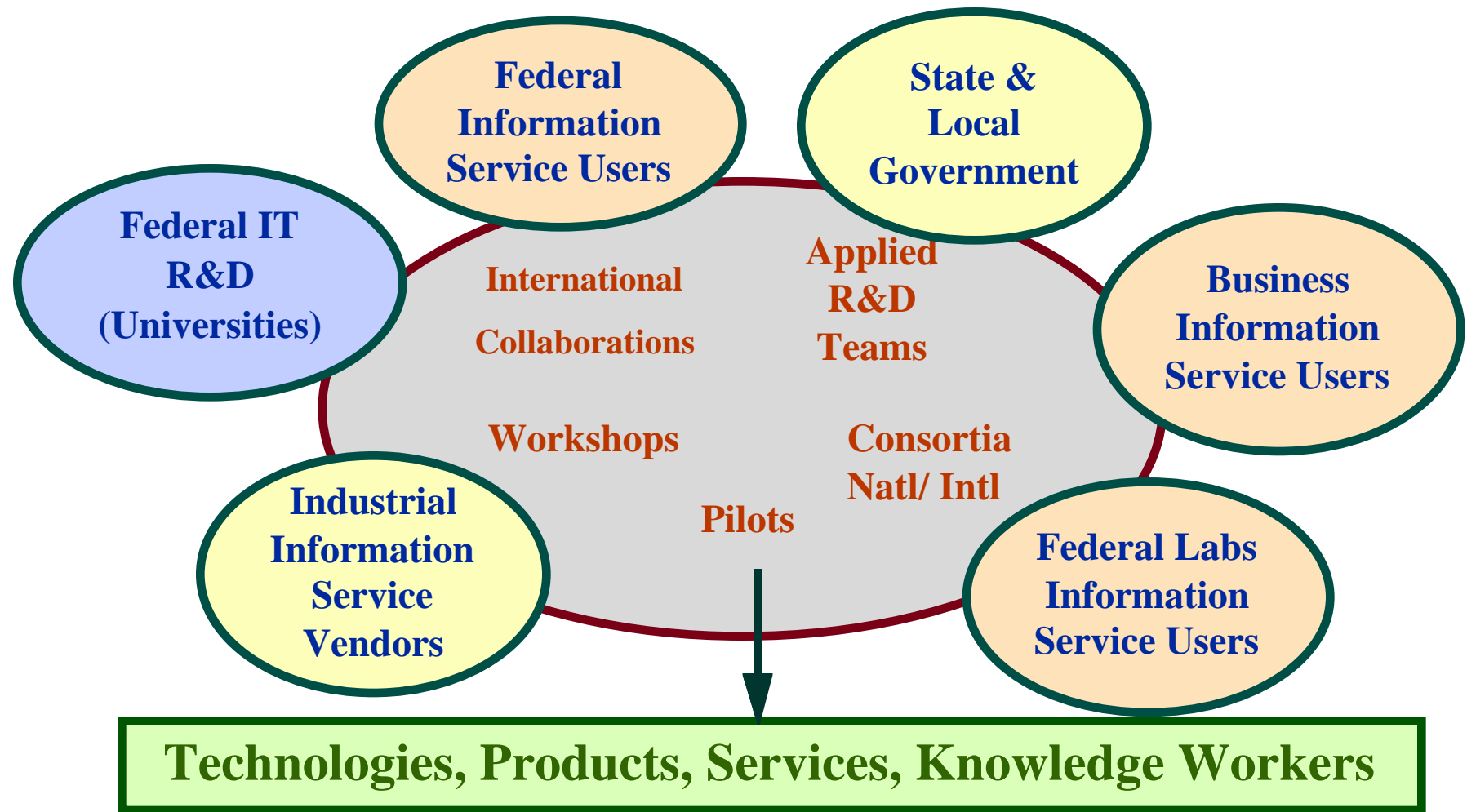
Federal Information Services Workshop

- May 13-15, 1997 Workshop - Hyatt Arlington
- Pre-workshop briefings (December 3-4, 1996) for small group, Applications Council members, workshop organizers and potential federal workshop participants
- Call for White Papers - December 24, 1996
 - » March 3, 1997 White Papers are due
- April 11, 1997 Invitations to be sent out to speakers/attendees
- June 16, 1997 Workshop Proceeding
- Web Site <http://www.isi.edu/nsf/>

Briefing Areas at Pre-Workshop

- Federal Information Technology Management- OMB
- Crisis Management
 - » Civil-Military Emergency Planning- DOD
 - » FEMA
- Social Security Administration
- Critical information infrastructure protection
- Natural Resources Data Management
 - » Department of Interior Information Services
 - » Department of Agriculture
- Virtual Statistics Agency- OMB, Census, Labor, NSF..
- Department of Transportation IT Services
- Law enforcement and public safety- National Institute of Justice
- Federal Electronic Commerce- OMB/GSA
- National Weather Modernization

Government Information Services(IS) R&D Program



Issues for Advisory Committee

- What steps can be taken by the R&D community to inform broad information technology-based government missions and policies?
- How to constructively engage R&D community in policy development in areas, such as, Global Information Infrastructure, security, privacy, ...?
- Need
 - » advice for additional or alternative approaches
 - » creative ideas to energize community
 - » identify promising application areas for accelerating government use
 - » scale of projects and activities to suit federal govt/universities/ industry